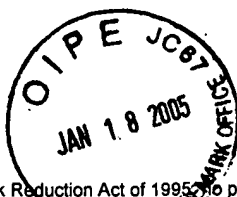


Doc Code:



PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Effective 12/08/2004. <b>FEE TRANSMITTAL</b> <b>for FY 2005</b>		<b>Complete if Known</b>	
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number Filing Date First Named Inventor Examiner Name Art Unit Attorney Docket No.	10/691,003 October 22, 2003 Miller, James B. Sines, Brian J. 1743 Miller 691
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) <b>\$110.00</b>			

**METHOD OF PAYMENT** (check all that apply)

☐ Check   
 ☐ Credit Card   
 ☐ Money Order   
 ☐ None   
 ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Acct. Deposit Account Number: 13-3635 Deposit Account Name: Mine Safety Appliances Co.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below   
 ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17   
 ☒ Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid(\$)
	Fee (\$)	<u>Small Entity</u> Fee (\$)	Fee (\$)	<u>Small Entity</u> Fee (\$)	Fee (\$)	<u>Small Entity</u> Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	<u>Small Entity</u> Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	\$50.00	\$0.00

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	\$200.00	\$0.00

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listing under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50	(round up to a whole)	x \$250.00	\$0.00

**4. OTHER FEE(S)**

Non-English specification, \$130 fee (no small entity discount)

Other (e.g. late filing surcharge): Terminal Disclaimer**\$110.00****SUBMITTED BY**

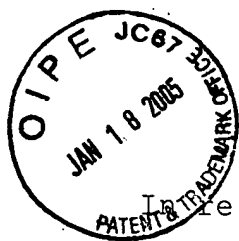
Signature	<i>James G. Uber</i>	Registration No. (Attorney/Agent)	30,600	Telephone	412-967-3215
Name (Print/Type)	James G. Uber			Date	January 18, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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01-19-05

IFW/



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

James B Miller et al.

Serial No. 10/691,003

Filed: October 22, 2003

Art Unit: 1743

Examiner: Brian J. Sines

CATALYTIC SENSOR

Pittsburgh, PA 15230-0426

January 18, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence and any document referred to as enclosed herein are being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, Alexandria, Virginia 22313-1450.

1/18/05

Date of Deposit

James G. Uber

James G. Uber, Esq.

Reg. No. 30,600

Jan 18, 2005

Date of Signature

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

AMENDMENT UNDER RULE 121

This Amendment is being filed in response to the December 14, 2004 Office Action from the Patent Office in the above-identified application.